

1           1. A sealed package comprising  
2            a formed plastic container defining a storage region  
3            and having a sealing surface around an entrance to said  
4            region, said container having a bottom wall and at least  
5            two opposed side walls each of which has retaining  
6            structure protruding inward therefrom,

7            a shaving cartridge contained within said storage  
8            region and retained by said retaining structure, said  
9            cartridge including a plastic housing and a plurality of  
10          blades, and

11          a removable film that is sealed to said sealing  
12          surface and covers said entrance.

1           2. A package comprising  
2            a formed plastic container defining a storage region  
3            defined by a bottom wall and side walls extending upward  
4            from said bottom wall, said container having an entrance to  
5            said storage region,

6            a shaving cartridge in said storage region in  
7            position for connection to a handle, said cartridge  
8            including a plastic housing and a plurality of blades, and

9            a lip adjacent to and extending from one said side  
10          wall at said entrance to space a user's finger or thumb  
11          from said entrance during removal of said cartridge from  
12          said region.

1           3. A sealed package comprising  
2            a formed plastic container defining a storage region  
3            and having a sealing surface around an entrance to said  
4            region,

5            a shaving cartridge in said storage region in  
6            position for connection to a handle, said cartridge  
7            including a plastic housing and a plurality of blades, and

8            a removable film that is sealed to said sealing  
9            surface and covers said entrance, said film having deadfold  
10          characteristics.

1           4. A sealed package comprising

2           a formed plastic container defining a storage region  
3    and having a sealing surface around an entrance to said  
4    region,

5           a stored unit in said storage region, said unit  
6    being removable as an entire unit,

7           a removable film that is sealed to said sealing  
8    surface and covers said entrance, and

9           a plastic tab that is spaced by a gap from said  
10   formed plastic container and is attached to a portion of  
11   said film extending beyond said sealing surface for  
12   initiating peeling of said film from said sealing surface.

1           5. A sealed package comprising

2           a formed plastic container defining a storage region  
3    defined by a bottom wall and side walls and having a  
4    sealing surface around an entrance to said region,

5           a stored unit in said storage region, said unit  
6    being removable as an entire unit,

7           retaining structure formed on the inside of said  
8    container and extending inward from said side surfaces,  
9    said retaining structure retaining said stored unit in a  
10   desired position in said container, and

11          a removable film that is sealed to said sealing  
12   surface and covers said entrance.

1           6. The package of claim 1, 3, 4 or 5 wherein said  
2    film comprises a plastic film that is configured as a  
3    laminate and has at least one structural layer.

1           7. The package of claim 4 wherein said stored unit  
2    is a shaving cartridge.

1           8. The package of claim 1 or 2 wherein said blades  
2    of said cartridge face away from said entrance.

1           9. The package of claim 1, 3 or 5 further  
2    comprising a plastic tab attached to a portion of said film  
3    extending beyond said sealing surface for initiating  
4    peeling of said film from said sealing surface.

1               10. The package of claim 1 wherein said container  
2 has a ramp structure leading to said cartridge in said  
3 region.

1               11. The package of claim 2 wherein said container  
2 includes a ramp structure connecting said lip to a said  
3 side wall and leading to said cartridge in said region.

1               12. The package of claim 2 further comprising a  
2 retaining structure formed on the inside of said container  
3 retaining said shaving cartridge in a desired position in  
4 said container.

1               13. The package of claim 1 wherein said container  
2 has a support member on said bottom wall supporting said  
3 cartridge in a desired orientation, said retaining  
4 structure being located on a said side wall of said  
5 container at an elevation higher than said support member.

1               14. The package of claim 13 wherein said bottom  
2 wall is flat, and there are a plurality of said support  
3 members on said bottom wall supporting said cartridge in a  
4 desired orientation.

1               15. The package of claim 14 wherein said cartridge  
2 has a nonlinear upper surface profile and wherein the upper  
3 surfaces of said support members match said nonlinear upper  
4 surface profile.

1               16. The package of claim 14 wherein said cartridge  
2 has a curved, convex upper surface profile and wherein the  
3 upper surfaces of said support members are curved and  
4 concave so as to match said curved upper surface profile.

1               17. The package of claim 1 or 5 wherein said  
2 retaining structure has an inclined surface with respect to  
3 a said side wall facing said entrance.

1               18. The package of claim 1 or 5 wherein said  
2 retaining structure has an inclined surface with respect to  
3 a said side wall facing said bottom wall.

1               19. The package of claim 2 wherein said side walls  
2 include opposing side walls, said bottom wall is flat, and

3       said container has a ramp structure connecting said lip to  
4       a said side wall and leading to said cartridge in said  
5       region, further comprising a plurality of support members  
6       on said bottom wall supporting said cartridge in a desired  
7       orientation, and retaining structure protruding inward from  
8       said opposing side walls retaining said shaving cartridge  
9       in a desired position in said container on said support  
10      members.

1           20. The package of claim 19 wherein said cartridge  
2       has a curved convex, upper surface profile, and wherein the  
3       upper surfaces of said support members are curved and  
4       concave so as to match said upper surface profile.

1           21. The package of claim 1, 2, or 3 wherein said  
2       container is transparent.

1           22. The package of claim 1 or 2 wherein said  
2       container has a plurality of protruding finger gripping  
3       ridges on one or more exterior surfaces.

1           23. The package of claim 1 or 2 wherein said  
2       container has a plurality of protruding finger gripping  
3       ridges on one or more exterior surfaces, said ridges having  
4       an indented profile to accommodate a user's fingers.

1           24. The package of claim 4 or 7 wherein said tab has  
2       a gripping ridge extending from a surface.

1           25. The package of claim 1, 3 or 5 further  
2       comprising a plastic tab attached to a portion of said film  
3       extending beyond said sealing surface for initiating  
4       peeling of said film from said sealing surface, wherein  
5       said tab has a gripping ridge extending from a surface  
6       around the outer portion of said tab.

1           26. The package of claim 7 wherein said container  
2       has a lip adjacent to and extending from said entrance,  
3       said lip having a cutout portion at an end of said lip, and  
4       wherein said tab is located at said cutout portion.

1           27. The package of claim 7 wherein said tab is in  
2       the shape of a half moon.

1           28. The package of claim 1, 2 or 3 wherein said  
2 plastic container is made of a polyolefin.

3           29. The package of claim 1, 3, 4 or 5 wherein said  
4 film is more flexible than said walls of said formed  
5 plastic container.

1           30. The package of claim 1, 3, 4, or 5 wherein said  
2 film is adhered to said container with an initial peel  
3 force greater than 1.5 Newtons.

1           31. The package of claim 1, 3, 4, or 5 wherein said  
2 film is adhered to said container with an initial peel  
3 force greater than 3.0 to 5.0 Newtons.

1           32. The package of claim 1, 3, 4, or 5 wherein said  
2 film has deadfold characteristics

1           33. The package of claim 1 or 3 wherein said film  
2 has an internal surface carrying printing.

1           34. The package of claim 1 or 3 wherein said film is  
2 heat sealed or RF sealed to said sealing surface.

1           35. A package component comprising  
2            a formed plastic container defining a storage region  
3            and a sealing surface around an entrance to said region,  
4            a plastic tab that is adjacent to said sealing  
5            surface, and

6            a first temporary connector that connects said tab  
7            to said plastic container.

1           36. The package component of claim 35 wherein said  
2 tab has a tab edge that is in line with a container edge,  
3 and wherein said first temporary connector has a first  
4 portion that extends transversely from said tab edge, a  
5 second portion that extends from said first portion  
6 generally parallel to said container edge and said tab  
7 edge, and a third portion that extends transversely from  
8 said container edge to said second portion, whereby said  
9 first temporary connector can be trimmed by a single cut  
10 made parallel to said container edge.

1               37. The package component of claim 35 or 36 wherein  
2    said temporary connector is molded at the same time as said  
3    formed plastic container and said tab.

1               38. The package component of claim 35 wherein said  
2    container has a bottom wall and side walls extending upward  
3    from said bottom wall and defining said storage region, and  
4    further comprising a lip adjacent to and extending from a  
5    first said side wall at said entrance, said lip having a  
6    cutout portion at an end of said lip, and wherein said tab  
7    is located at said cutout portion.

1               39. The package of claim 38 wherein said tab has a  
2    first tab edge that is in line with a lip edge, and a  
3    second tab edge that is transverse to said first tab edge  
4    and is in line with a container edge at a second said side  
5    wall that is adjacent to and transverse to said first side  
6    wall.

1               40. The package of claim 39 further comprising a  
2    second temporary connector that connects said tab to said  
3    plastic container.

1               41. The package of claim 40 wherein said first  
2    temporary connector has a first portion that extends  
3    transversely from said first tab edge, a second portion  
4    that extends from said first portion generally parallel to  
5    said lip edge and said first tab edge, and a third portion  
6    that extends transversely from said lip edge to said second  
7    portion, and said second temporary connector has a first  
8    portion that extends transversely from said second tab  
9    edge, a second portion that extends from said first portion  
10   generally parallel to said container edge and said second  
11   tab edge, and a third portion that extends transversely  
12   from said container edge to said second portion, whereby  
13   said first and second temporary connectors can be trimmed  
14   by respective single cuts parallel to said lip edge and  
15   said container edge.

1           42. The package component of claim 41 wherein said  
2 first and second temporary connectors are molded at the  
3 same time as said formed plastic container and said tab.

1           43. The package component of claim 35 wherein said  
2 temporary connector is a frangible bridge portion of  
3 plastic.

1           44. The package component of claim 43 wherein there  
2 is an interface between said tab and said container, and  
3 said frangible bridge portion is at a discrete location  
4 along said interface.

1           45. The package component of claim 43 wherein there  
2 is an interface between said tab and said container, and  
3 said frangible bridge portion extends along at least a  
4 majority of said interface.

1           46. The package component of claim 35 wherein said  
2 temporary connector and tab are of a different material  
3 than said container, and wherein said container, tab, and  
4 temporary connector are provided by two-component molding.

1           47. The package component of claim 35 further  
2 comprising a removable film that is sealed to said sealing  
3 surface and covers said entrance, said film also being  
4 secured to said tab.

1           48. The package component of claim 47 wherein said  
2 film is secured to said tab by sealing to said tab during  
3 the same operation in which said film is sealed to said  
4 sealing surface.

1           49. The package component of claim 35 wherein said  
2 container has a plurality of protruding finger gripping  
3 ridges on one or more exterior surfaces.

1           50. The package component of claim 35 wherein said  
2 container has a plurality of protruding finger gripping  
3 ridges on one or more exterior surfaces, said ridges having  
4 an indented profile to accommodate a user's fingers.

1           51. The package component of claim 35 wherein said  
2 tab has a gripping ridge extending from a surface.

1               52. The package component of claim 38 wherein said  
2 container is sized to store a shaving cartridge and  
3 includes a ramp structure connecting said lip to a said  
4 side wall and leading to said cartridge in said region.

1               53. A method of making a sealed package comprising  
2               providing a formed plastic container defining a  
3 storage region and a sealing surface around an entrance to  
4 said region, said storage region being defined by at least  
5 two opposed side walls each of which has retaining  
6 structure protruding inward therefrom,

7               placing a shaving cartridge in said storage region,  
8 said shaving cartridge having a plastic housing and a  
9 plurality of blades,

10               retaining said cartridge by in said storage region  
11 by contacting said retaining structure, and

12               sealing a removable film to said sealing surface so  
13 as to cover said entrance.

1               54. The method of claim 53 wherein said providing  
2 includes providing said container with a support member on  
3 a bottom wall of said container, and wherein said placing  
4 includes placing said cartridge on said support member and  
5 supporting said cartridge in a desired orientation.

1               55. The method of claim 54 wherein said retaining  
2 structure has an inclined surface with respect to said side  
3 wall facing said entrance.

1               56. The method of claim 54 wherein said retaining  
2 structure has an inclined surface with respect to said side  
3 wall facing away from said entrance.

1               57. The method of claim 53 further comprising  
2 attaching a plastic tab to a portion of said film extending  
3 beyond said sealing surface for initiating peeling of said  
4 film from said sealing surface.

1               58. The method of claim 53 wherein said providing  
2 includes providing a plastic tab adjacent to said sealing

3 surface, said plastic tab being connected to said container  
4 with a temporary connector, and

5 wherein said sealing further comprises sealably  
6 attaching said tab to a portion of said film extending  
7 beyond said sealing surface,

8 and further comprising, after said sealing,  
9 disconnecting said temporary connector.

1 59. The method of claim 53 wherein said temporary  
2 connector is made of plastic, and said providing includes  
3 forming said plastic tab and temporary connector  
4 simultaneously with forming of said plastic container.

1 60. The method of claim 59 wherein said temporary  
2 connector is a frangible bridge portion, and said  
3 disconnecting includes breaking said frangible bridge  
4 portion.

1 61. The method of claim 59 wherein said tab has a  
2 tab edge that is in line with a container edge, and wherein  
3 said first temporary connector has a first portion that  
4 extends transversely from said tab edge, a second portion  
5 that extends from said first portion generally parallel to  
6 said container edge and said tab edge, and a third portion  
7 that extends transversely from said container edge to said  
8 second portion,

9 and wherein said disconnecting includes trimming  
10 said temporary connector from said container and said tab  
11 by a single cut made parallel to said container edge.

1 62. A method of making a sealed package comprising  
2 providing a formed plastic container defining a  
3 storage region and a sealing surface around an entrance to  
4 said region,

5 placing a unit in said storage region, said unit  
6 being removable as an entire unit,

7 sealing a removable film to said sealing surface so  
8 as to cover said entrance, and

9                   attaching a plastic tab to a portion of said film  
10   extending beyond said sealing surface for initiating  
11   peeling of said film from said sealing surface.

1                 63. The method of claim 62 wherein said providing  
2   includes providing said plastic tab adjacent to said  
3   sealing surface, said plastic tab being connected to said  
4   container with a temporary connector, and

5                 wherein said attaching comprises sealing said tab to  
6   a portion of said film extending beyond said sealing  
7   surface during the same operation in which said film is  
8   sealed to said sealing surface,

9                 and further comprising, after said sealing,  
10   disconnecting said temporary connector.

1                 64. The method of claim 63 wherein said temporary  
2   connector is made of plastic, and said providing includes  
3   forming said plastic tab and temporary connector in the  
4   same operation as forming said plastic container.

1                 65. The method of claim 64 wherein said temporary  
2   connector is a frangible bridge portion, and said  
3   disconnecting includes breaking said frangible bridge  
4   portion.

1                 66. The method of claim 65 wherein there is an  
2   interface between said tab and said container, and said  
3   frangible bridge portion is at a discrete location along  
4   said interface.

1                 67. The method of claim 65 wherein there is an  
2   interface between said tab and said container, and said  
3   frangible bridge portion extends along at least a majority  
4   of said interface.

1                 68. The method of claim 64 wherein said tab has a  
2   tab edge that is in line with a container edge, and wherein  
3   said first temporary connector has a first portion that  
4   extends transversely from said tab edge, a second portion  
5   that extends from said first portion generally parallel to  
6   said container edge and said tab edge, and a third portion

7 that extends transversely from said container edge to said  
8 second portion,

9 and wherein said disconnecting includes trimming  
10 said temporary connector from said container and said tab  
11 by a single cut made parallel to said container edge.

1 69. A method of providing a shaving cartridge on a  
2 razor comprising

3 providing a sealed package including a formed  
4 plastic container containing a shaving cartridge in a  
5 storage region and a removable film sealed to a sealing  
6 surface of said container around an entrance to said  
7 storage region, said cartridge including a plastic housing  
8 and a plurality of blades,

9 peeling said film from said sealing surface to  
10 provide access to said shaving cartridge, and  
11 attaching said cartridge to a handle.

1 70. The method of claim 69 wherein said peeling  
2 involves peeling with an initial peel force exceeding 1.5  
3 Newtons.

1 71. The method of claim 69 wherein said peeling  
2 involves peeling with an initial peel force between 3 and  
3 5 Newtons.

1 72. The method of claim 64, further comprising,  
2 after said attaching, removing said cartridge from said  
3 container.

1 73. The method of claim 69 wherein said peeling  
2 includes pulling on a plastic tab connected to a portion of  
3 said film that extends beyond said sealing surface.

1 74. The method of claim 69 further comprising,  
2 simultaneously with said peeling, gripping said container  
3 at a plurality of finger gripping structures on one or more  
4 exterior surfaces of said container.

1 75. The method of claim 72 further comprising,  
2 prior to said attaching, guiding a handle connecting  
3 structure of said handle over a lip extending from said

4 container and into a cartridge connecting structure of said  
5 cartridge.

1 76. The method of claim 75 wherein said guiding  
2 further comprises guiding said handle over a ramp structure  
3 connecting said lip to a container side wall.

1 77. The method of claim 72, further comprising,  
2 prior to said removing, disengaging said cartridge from  
3 retaining structure on the inside of said container that  
4 retains said cartridge in desired position.

1 78. The method of claim 69 wherein said peeling  
2 includes, upon removal of a peeling force, said film  
3 remaining attached to said sealing surface and folded back  
4 to not obstruct said attaching.

-